BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

me of the work: Estimate for Improvements and Asphalting to Canara Bank Layout Cross oads in Ward No. 09, Vidyaranyapura Sub Division.

Description	Unit	No.	L	B	D	Qty	Rate	Amount
						Estimate Cost:		1000000.00
KSRRB 300-2. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 138 / Item No. 19.2 / PWD SR 2014-15**	Cum							
Desilting of Drains								
Canara Bank Layout 4th Cross		2	140.00	0.45	0.40	50.40		
Canara Bank Layout 6th Cross		2	170.00	0.45	0.40	61.20		
Berm Cutting								
Canara Bank Layout 4th Cross		2	140.00	1.25	0.20	70.00		
Canara Bank Layout 6th Cross		2	170.00	1.25	0.20	84.73		
						266.33	105.84	**28188.00**
Basic Rate	98.00							
Area Weightage @8%	7.84							
Total	**105.84**							
Removing B.S. Slab Drain and stacking **(P. 25 / I. 5.32 PWD SR - 2014-15)**	Sqm							
		2	50.00		1.65	165.00		
		2	80.00		1.65	264.00		
						429.00	58.32	**25019.00**
Basic Rate	54.00							
Area Weightage @8%	4.32							
Total	**58.32**							
Refixing stone slabs of drains and pointing in CM (1:3) **(P. 25 / I. 5.33 PWD SR - 2014-15)**	Sqm.							
		Vide Item No.2				**429.00**	75.60	**32432.00**
Basic Rate	70.00							
Area Weightage @ 8%	5.60							
Total	**75.60**							

Description	Unit	No.	L	B	D	Qty	Rate	Amount
KSRRB 300-45: Scarifying stone metal crust 50mm to 100mm thick with pick axes along with premix carpet/surface dressing and stacking of old serviceable materials within a lead of 100 meters by manual means including cost of all labour charges complete as per specifications. MORTH chapter 3, **No. 143 / Item No. 19.51/ PWD SR 2014-15**	Sqm							
Canara Bank Layout 4th Cross		1	140.00	4.90		686.00		
Canara Bank Layout 6th Cross		1	170.00	4.90		821.50		
						1507.50	46.44	**70008.00**
Basic Rate	43.00							
Area Weightage @ 8%	3.44							
Total	**46.44**							
Providing, laying, spreading and compacting graded stone aggregate to **wet mix macadam** specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications **(P. 154 / I. 20.18) PWD SR - 2014-15.**	Cum							
Canara Bank Layout 4th Cross		1	140.00	4.90	0.15	102.90		
Canara Bank Layout 6th Cross		1	170.00	4.90	0.15	123.23		
						226.13	1438.56	**325302.00**
Basic Rate	1332.00							
Area Weightage @ 8%	106.56							
Total	**1438.56**							
KSRRB 500-1.1 : Cleaning the existing WBM road surface including removing of binding materials and other foreign matter with wire bushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification No. 500-1.3 **(P.157 / I.21.1) PWDSR 2014-15**	Sqm							
Canara Bank Layout 4th Cross		1	140.00	4.90		686.00		
Canara Bank Layout 6th Cross		1	170.00	4.90		821.50		
						1507.50	12.20	**18398.00**
Basic Rate	11.30							

Description	Unit	No.	L	B	D	Qty	Rate	Amount
Area Weightage @ 8%	0.90							
Total	**12.20**							
KSRRB M500-6: Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, **Page No. 157 / Item No. 21.6/ PWD SR 2014-15**	Sqm							
		Qty Vide Item No. 6				1507.50		
						1507.50	35.21	**53076.00**
Basic Rate	32.60							
Area Weightage @ 8%	2.61							
Total	**35.21**							
KSRRB M500-18: Providing and laying **semi dense bituminous concrete** 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. **With 80/100 grade bitumen, No. 160 / Item No. 21.21.2 / PWD SR 2014-15**	Cum							
Canara Bank Layout 4th Cross		1	140.00	4.90	0.025	17.15		
Canara Bank Layout 6th Cross		1	170.00	4.90	0.025	20.54		
						37.69	11070.00	**417228.00**
Basic Rate	10250.00							
Area Weightage @ 8%	820.00							
Total	**11070.00**							
ead for Disposal of Debris shall be payable at arriage rates by Mechanical means inlcuding ading and unloading. From 0.00 to 2.00 Km (age No.123)	Cum							
		Vide Item No. 1				**266.33**	72.71	**19364.00**
asic rate for haulage of materials as per item .17.4 page 141) Rs. 2.00								

Description	Unit	No.	L	B	D	Qty	Rate	Amount
Average weight of earth 1.28 tonne / kg for 2X1 3X2.00=5.12	5.12							
Add loading and unloading Vide item no.17.1 P.no.141	62.20							
	67.32							
Area Weightage @ 8%	5.39							
Total	**72.71**							
Sub Total								**988979.00**
QC Charges @ 1%								**9890.00**
Miscellaneous and other Charges	L/S							**1131.00**
							Total	**1000000.00**
(Rs. Ten Lakhs Only)								

RTIFICATE:

The work spot has been inspected and the work is found necessary.
This estimate is prepared as per P.W.D S.R of 2014-15.
The provisions were made in this estimate are necessary and adequate.
This works come under B.B.M.P. limits.

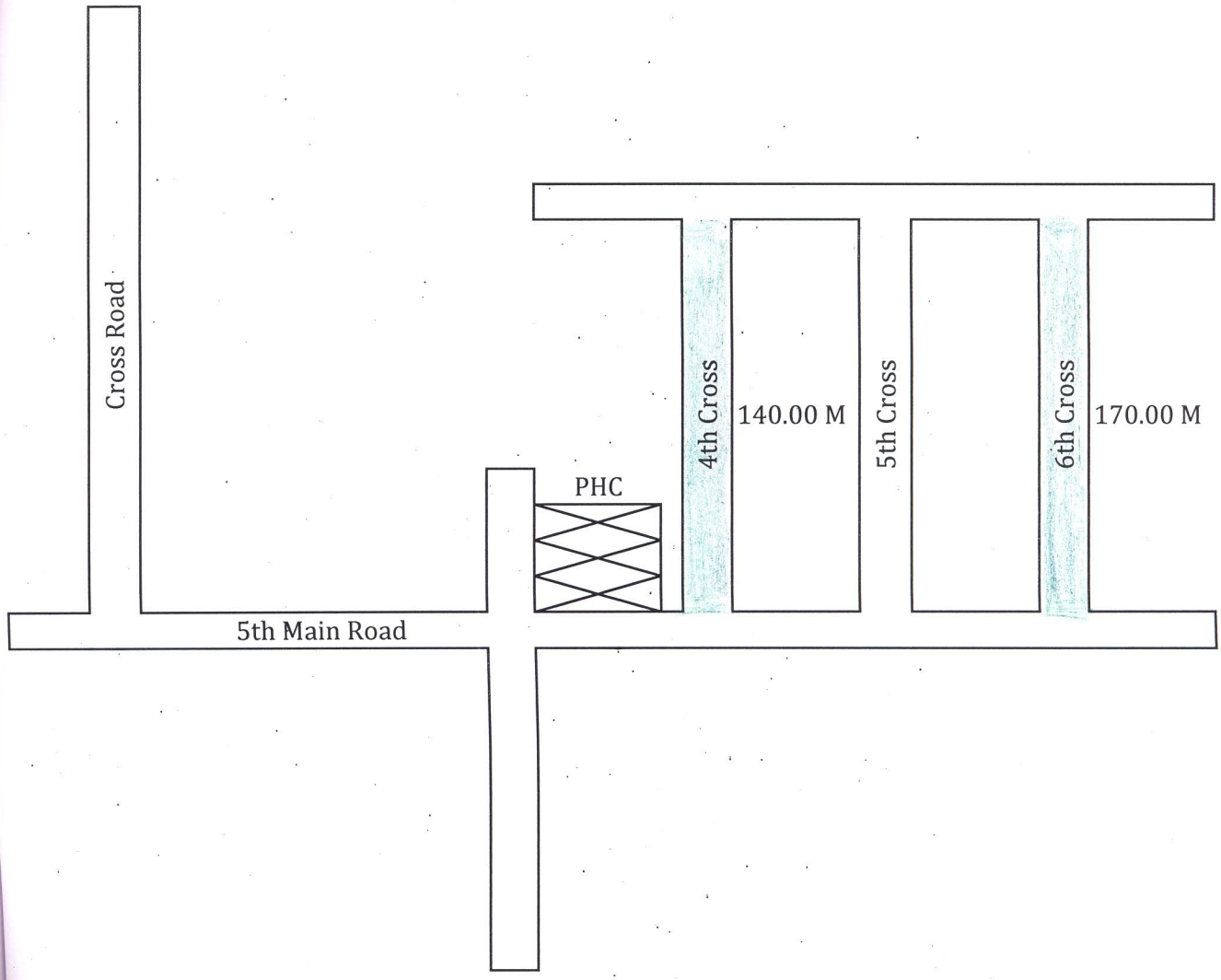
Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Modified
Technical Sanction for 10.00L
Ten lakhs only
P-1771
28
152 21/01/15
21/01

me of Work: Improvements and Asphalting to Canara Bank Layout Cross Roads in Ward No. 09 Vidyaranyapura Sub Division.



- Asphalting to Road with 25 mm SDBC

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division